

WHAT IS CLAIMED IS:

- 1. A heated shoe, comprising:
a shoe body defining a vent hole through which surrounding air containing oxygen flows into the shoe and comprising a shoe in which a recess is defined;
a fuel vessel received in the recess for containing a fuel, the fuel being volatile to generate a fuel gas; and
an activated thermal conductor received in the recess for starting up reaction between the oxygen and fuel gas, which generates heat.**
- 2. The heated shoe as claimed in Claim 1, wherein the fuel vessel and the activated thermal conductor are separated by a partition.**
- 3. The heated shoe as claimed in Claim 2, wherein the partition defines at least a through hole.**
- 4. The heated shoe as claimed in Claim 1, wherein the shoe body comprises a thermal pad.**
- 5. The heated shoe as claimed in Claim 1, wherein the shoe body comprises a temperature control valve.**
- 6. The heated shoe as claimed in Claim 1, wherein the shoe body comprises a fuel charge hole.**
- 7. The heated shoe as claimed in Claim 1, wherein the shoe body comprises a temperature indicator.**
- 8. The heated shoe as claimed in Claim 1, wherein the activated thermal conductor comprises a catalyst, a heating filament, a plurality of conducting wires and a thermal conducting plate.**
- 9. The heated shoe as claimed in Claim 8, wherein the catalyst comprises a precious metal.**
- 10. The heated shoe as claimed in Claim 9, wherein the precious metal comprises platinum.**

11. The heated shoe as claimed in Claim 8, wherein the heating filament is made of nickel.
12. The heated shoe as claimed in Claim 8, wherein the conducting wires are connected to a power supply.
13. The heated shoe as claimed in Claim 1, wherein the shoe body comprises a power transmission hole for extension of the conducting wires therethrough.